



PATENT

Docket No.: 19603/3331 (CRF D-2634A)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Barany et al.

Serial No. : 09/998,481

Cnfrm. No. : 6387

Filed : November 30, 2001

For : DETECTION OF NUCLEIC ACID
DIFFERENCES USING COMBINED
ENDONUCLEASE CLEAVAGE AND
LIGATION REACTIONSExaminer:
Joyce TungArt Unit:
1637SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§ 1.97-1.98

Mail Stop: Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR §§ 1.97-1.98, applicants hereby bring to the attention of the United States Patent and Trademark Office, the enclosed references listed on the attached PTO/SB/08 form.

Pursuant to 37 CFR § 1.17(p) and 37 CFR § 1.97(c), applicants hereby enclose a check in the amount of \$180.00. The Commissioner is authorized to charge any additional fees or credit any overpayment to Deposit Account No. 14-1138.

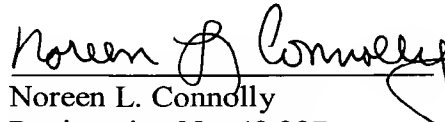
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Respectfully submitted,

Date:

Aug. 24, 2005
Noreen L. Connolly
Registration No. 48,987

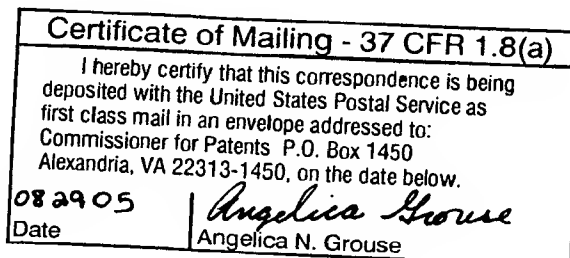
NIXON PEABODY LLP

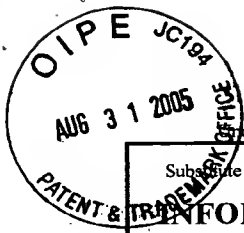
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known			
				Application Number		09/998,481	
				Filing Date		November 30, 2001	
				First Named Inventor		Barany et al.	
				Art Unit		1637	
Examiner Name		Joyce Tung					
Sheet	1	of	2	Attorney Docket Number		19603/3331 (CRF D-2634A)	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US-			
		US-			
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ² (if known)				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	Day et al., "Nucleotide Analogs and New Buffers Improve a Generalized Method to Enrich for Low Abundance Mutations," <i>Nucleic Acids Research</i> 27(8):1819-1827 (1999)	
	2	Khanna et al., "Multiplex PCR/LDR for Detection of K-ras Mutations in Primary Colon Tumors," <i>Oncogene</i> 18(1):27-38 (1999)	
	3	Wilson et al., "Needle-in-a-Haystack Detection and Identification of Base Substitution Mutations in Human Tissues," <i>Mutation Research Genomics</i> 406:79-100 (1999)	

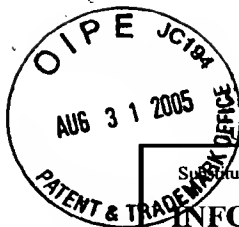
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Supplement for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	09/998,481
				Filing Date	November 30, 2001
				First Named Inventor	Barany et al.
				Group Art Unit	1637
				Examiner Name	Joyce Tung
Sheet	2	of	2	Attorney Docket Number	19603/3331 (CRF D-2634A)

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
	4	Khanna et al., “Ligase Detection Reaction for Identification of Low Abundance Mutations,” <i>Clinical Biochemistry</i> 32(4):287-290 (1999)		
	5	Lyamichev et al., “Polymorphism Identification and Quantitative Detection of Genomic DNA by Invasive Cleavage of Oligonucleotide Probes,” <i>Nature Biotechnology</i> 17(3):292-296 (1999)		
	6	Cao et al., “Cloning and Thermostability of <i>TaqI</i> Endonuclease Isoschizomers from <i>Thermus</i> Species SM32 and <i>Thermus filiformis</i> Tok6A1,” <i>Biochem. J.</i> 333(Pt. 2):425-431 (1998)		
	7	Morgan et al., “Characterization of the Specific DNA Nicking Activity of Restriction Endonuclease N. <i>Bst</i> NBI,” <i>Biol. Chem.</i> 381(11):1123-1125 (2000)		
	8	Yao et al., “Cleavage of Insertion/Deletion Mismatches, Flap and Pseudo-Y DNA Structures by Deoxyinosine 3’-Endonuclease from <i>Escherichia coli</i> ,” <i>Journal of Biological Chemistry</i> 271(48):30672-30676 (1996)		
	9	Morikawa et al., “Three-Dimensional Structural Views of Damaged-DNA Recognition: T4 Endonuclease V, <i>E. coli</i> Vsr Protein, and Human Nucleotide Excision Repair Factor XPA,” <i>Mutation Research</i> 460(3-4):257-275 (2000)		
	10	Huang et al., “An Endonuclease/Ligase Based Mutation Scanning Method Especially Suited for Analysis of Neoplastic Tissue,” <i>Oncogene</i> 21(12):1909-1921 (2002)		

Examiner Signature		Date Considered	
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